

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A web-based client system for acquiring data from a web-enabled data server, comprising:

a web-based data collector, the data collector for collecting data from the web-enabled data server, the data collector for collecting data periodically, the data collector for determining the web-enabled data server to collect data from by referencing data source identifying information, the data collector for converting the data from a markup language format to a structured data storage format, the data collector for storing the data in a storage system.

2. (Original) The web-based client system of claim 1, wherein the data collector is a first data collector

and the web-enabled data server is a first web-enabled data server, further comprising a second web-enabled data server, the second web-enabled data server for providing data from

the storage system to a second data collector.

3. (Original) The web-based client system of claim 1, wherein the markup language format comprises Extensible Markup Language (XML).

4. (Original) The web-based client system of claim 1, wherein the markup language format comprises Hypertext Markup Language (HTML).

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5. (Original) The web-based client system of claim 1, wherein the structured data format comprises Structured Query Language (SQL).

6. (Original) The web-based client system of claim 1, wherein the data source identifying information is received from the web-enabled data server.

7. (Original) The web-based client system of claim 1, wherein the data source identifying information is received from a user.

8. (Original) The web-based client system of claim 1, wherein the data source identifying information comprises a Uniform Resource Locator (URL).

9. (Original) The web-based client system of claim 1, wherein the data collector includes a scheduler, the scheduler for setting up a data collection schedule.

10. (Original) The web-based client system of claim 1, wherein the data collector is adapted to step through a list of URLs and collects the content pointed to by the URLs.

11. (Original) The web-based client system of claim 1, wherein the data collector is adapted to convert the markup language format to the structured data storage format by using a mapping function,

the mapping function mapping markup language format data items to structured data storage format data items.

12. (Original) The web-based client system of claim 11, wherein the mapping function is adapted to map XML tags to SQL fields.

13. (Original) The web-based client system of claim 11, wherein the mapping function is adapted to map XML tags to database records.

14. (Original) The web-based client system of claim 11, wherein the mapping function comprises a first mapping function, further comprising a second mapping function, wherein the data collector is adapted to select the first mapping function based upon information contained in the data source identifying information.

15. (Original) The web-based client system of claim 1, wherein the data collector is adapted to store the data in the data storage system by inserting a new data item when the new data item appears in the data collected from the web-enabled data server, updating an existing data item content when a value of the existing data item in the data collected from the web-enabled data server changes, or deleting an old data item when the old data item is removed from the data collected from the web-enabled data server.

16. (Original) The web-based client system of claim 15, wherein the system is adapted to trigger an alarm when the content of an existing data item changes or when a new data item is added, or when an old data item is deleted.

17. (Original) The web-based client system of claim 16, wherein the system is adapted to take an action when the alarm is triggered.

18. (Original) The web-based client system of claim 1, wherein the system is written in an open scripting language, the open scripting language permitting publication of scripts.

19. (Original) The web-based client system of claim 1, wherein the system is adapted to be continuously running.

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20. (Original) The web-based client system of claim 1, further comprising a web-based data processor, the data processor comprising a toolkit, the toolkit comprising a plurality of tools, each tool for performing a data processing operation on the storage system, the tools for processing the data stored in the storage system, the tools for presenting the data to a data user.

21. (Original) The web-based client system of claim 1, further comprising a web-based administrator module, the administrator module for configuring and maintaining the web-based client system, the administrator module comprising one or more web-based tools.

22. (Original) The web-based client system of claim 21, wherein the administrator module comprises a tool adapted to configure a list of URLs.

23. (Original) The web-based client system of claim 21, wherein the administrator module comprises a tool adapted to allow mapping of markup language format items to structured data storage format items.

24. (Original) The web-based client system of claim 23, wherein the markup language format items are XML tags and the structured data storage format items are database items in a relational database.

25. (Original) The web-based client system of claim 23, wherein the markup language format items are HTML tags and the structured data storage format items are database items in a relational database.

26. (Original) The web-based client system of claim 1, further comprising a web-enabled server, the server for converting structured data format data into Markup language format data and transmitting markup language data to the web-enabled client.

27. (Original) The web-based client system of claim 26, wherein the web-based client system is adapted to store data using a first data model, and the web based server system is adapted to store data in a second data model, different from the first data model.

28. (Currently amended) A web-based data server system for transmitting data to a web-enabled client, comprising:

a web enabler agent, the web enabler agent for reading the data from a structured data formatted data storage system, the web enabler agent for converting the data from a structured data format to a markup language format, the web enabler agent for transmitting the data to a web-enabled client and:

a web-based data collector, the data collector for collecting data from a web-enabled data server, the data collector for collecting data periodically, the data collector for determining the web-enabled data server to collect data from by referencing data source identifying information, the data collector for converting the data from a markup language format to a structured data storage format, the data collector for storing the data in a storage system.

29. (Original) The web -based data server system of claim 28, wherein the markup language format comprises Extensible Markup Language (XML).

30. (Original) The web -based data server system of claim 28, wherein the markup language format comprises Hypertext Markup Language (HTML).

31. (Original) The web -based data server system of claim 28, wherein the structured data format comprises Structured Query Language (SQL).

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32. (Original) The web-based data server system of claim 28, wherein the data collector is adapted to convert the structured data storage format to the markup language format by using a mapping function, the mapping function for mapping structured data storage format data items to markup language format data items.

33. (Original) The web-based data server system of claim 32, wherein the mapping function is adapted to map SQL fields and records to XML tags.

34. (Original) The web-based data server system of claim 28, wherein the system is written in an open scripting language, the open scripting language permitting publication of scripts.

35. (Original) The web-based data server system of claim 28, wherein the system is adapted to be continuously running.

36. (Original) The web-based data server system of claim 28, further comprising a web-based administrator module, the administrator module for configuring and maintaining the web-based data server system, the administrator module comprising one or more web-based tools.

37. (Original) The web-based data server system of claim 36, wherein the administrator module comprises a tool adapted to allow mapping of structured data storage format items to markup language format items.

38. (Original) The web-based data server system of claim 36, wherein the markup language format items are XML tags and the structured data storage format items are database items in a relational database.

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39. (Original) The web-based data server system of claim 36, wherein the markup language format items are HTML tags and the structured data storage format items are database items in a relational database.

40. (Original) The web-based data server system of claim 28, further comprising a web-enabled client, the client for converting markup language format data into structured data format data and storing the structured data format data into a data storage system.

41. (Original) The web-based data server system of claim 40, wherein the web-based client system is adapted to store data using a first data model, and the web based data server system is adapted to store data in a second data model, different from the first data model.

42. (Withdrawn) A method for converting structured data format data into markup language format data comprising:

creating a query identifier tag in the markup language format, the query identifier tag having a value that identifies the query that created the structured data format data;

creating a record container tag in markup language format, the record container tag having a record container tag name that identifies a structured data format record, the record container tag name being determined by a mapping function; and

creating a field entry tag in markup language format, the field entry tag having a field entry tag name that identifies a structured data format field, the field entry tag name being determined by a mapping function, the field entry tag containing a value that corresponds to the value of the identified structured data format field.

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43. (Withdrawn) A method for converting markup language format data into structured data format data and storing the structured data format data into a database item, comprising:

identifying the database item by reading a query identifier from the markup language format data;

identifying a data mapping function to use in converting the markup language format data by reading a query identifier from the markup language format data;

identifying a structured data format record, the structured data format record having a structured data format record name generated by applying the data mapping function to a record container tag contained within the markup language format data;

where the structured data format record name does not already exist in the structured data storage item, creating a new structured data format record and storing the structured data format record name therein;

identifying for the structured data format record name a structured data format field, the structured data format field having a structured data format field name generated by applying the data mapping function to a field entry tag contained within the markup language format data, and storing the field entry tag value associated with the field entry tag into the structured data storage format field.

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